

APPENDIX F. FUEL CONSUMPTION RATES

FUEL CONSUMPTION RATES

The following two fuel consumption rate tables for 1980 vehicles were in previous FREQ models. The 1980 grade correction factors that were embedded in the older version have been updated to 1990 factors and cannot be overridden by the user. Thus, if the user wishes to enter the 1980 fuel rates as user-supplied rates to be able to compare output from older versions of the program care must be taken to assure that the grade in each subsection is zero.

1980 Fuel Consumption Rates on Freeways.																
Vehicle Class	Gallons per mile for average travel speeds (in mph) ets															IDLE (gals/hour)
	S	10	15	20	25	30	35	40	45	50	55	60	65	70		
Autos	.185	.131	.086	.061	.049	.044	.054	.048	.049	.052	.054	.057	.061	.065	.540	
Gas trucks	.210	.144	.099	.077	.074	.072	.080	.088	.097	.107	.118	.129	.140	.151	.650	
Diesel trucks	.696	.489	.297	.185	.131	.119	.112	.122	.136	.153	.170	.187	.204	.221	.450	

1980 Fuel Consumption Rates on Arterials.								
Vehicle Class	Gallons per mile for average travel speeds (in mph) at:							
	5	10	15	20	25	30	35	40
Autos	.144	.091	.073	.064	.059	.056	.053	.051
Gas trucks	.275	.174	.140	.123	.113	.106	.101	.097
Diesel trucks	.383	.241	.194	.171	.157	.147	.140	